

32x32 Multi Layer Router

Model 860-XL325AV



FEATURES

- ◆ 32 X 32 Video, **Audio Follow**
- ◆ Including Audio Follow
- ◆ RS-232 Control
- ◆ VGA to QXGA Performance
- ◆ 300 MHz Bandwidth
- ◆ Control Panel Included

Rear view of 2RU 32x32 multimedia frame

Link Electronics brings a breath of fresh air to the router industry! Our combined history of many years of broadcast Industry experience and impeccable integrity has been applied to this family of high performance component switchers. These component switchers are not repackaged single channel switchers. They are specifically designed from ground-up, to handle the demands of component high-resolution signals.

The 2RU 860-XL325AV video with audio follow is presently a 'mid size' member of this family of products from Link Electronics. Some of the features of the 860-XL325AV include:

Compact design. Just 2RU (3 "). Competing 32X32 multimedia switchers are typically 5RU (8 3/4").

Modular design. All the electronics are on front removable 'hot swappable' plug-in modules.

The H and V sync channels are based on the same 300MHz analog switching crosspoint used for the Red, Green, and Blue channels. This allows the 860-XL325AV to handle ANY computer sync rate, polarity or amplitude without risk of introducing distortions or jitter to these signals.

Inputs and outputs are via HD-15 computer multimedia standard connectors. By eliminating the BNC connectors LINK has eliminated one of the primary causes of signal degradation: the signal discontinuities caused by 'break-out' cables, BNC type connectors and path length variations.

Plug-in power-supply modules. Each frame has two front load slots for power supplies. One PS is standard. The second supply is the redundant power supply option. True load power monitoring is included with remote indicators for both power supplies. The video and audio power supplies are identical in all MAJESTIC series switchers.

32x32 stereo analog or AES/EBU digital audio can be added by linking a 1RU MAJESTIC audio frame to the 860-XL325AV.

XY' control panels is included with the 860-XL325AV.

SPECIFICATION
860-XL325AV

VIDEO INPUTS

| | |
|-----------------|---------------------------|
| Inputs: | 32 |
| Impedance: | 75 Ohms, 0.1% terminating |
| Coupling: | DC |
| Connector Type: | HD-15 |
| RGB Levels: | 0.5Vp-p to 2Vp-p Maximum |
| H & V Level: | 0.5Vp-p to 3Vp-p Maximum |

AUDIO INPUT:

| | |
|-----------------|------------------------|
| Connector Type: | Weco, 3-Pin Disconnect |
| Impedance: | 20K Ohms |
| Level: | +26dBu, maximum |
| CMRR: | 60dB @ 1 KHz |

VIDEO OUTPUTS

| | |
|-----------------|----------------------------------|
| Number: | 32 |
| Connector Type: | HD-15 |
| Impedance: | 75 Ohms, 0.1% Source terminating |
| RGB Level: | 0.5Vp-p to 2Vp-p Maximum |
| H&V Level: | 0.5Vp-p to 3Vp-p Maximum |

AUDIO OUTPUTS:

| | |
|---------------------|---------------------------|
| Signal Type: | Balanced |
| Connector Type: | Weco, 3-Pin Disconnect |
| Impedance: | >30 Ohms |
| Level: | 26dBu, maximum |
| Frequency Response: | ±0.1dB to 20kHz, ref 1kHz |
| Crosstalk: | 90dB @ 10 KHz |
| DC Offset: | <50mV |
| SNR: | <100dB, 20Hz to 20KHz |
| IM/THD: | <0.02% |

SIGNAL INTEGRITY

| | |
|----------------------|---|
| Gain | :Unity ±0.1 dB. |
| Freq response: | ±0.1dB to 5mHz, -3dB bandwidth to 250mHz |
| Resolutions: | Supports all graphics standards: from VGA to QXGA |
| Slew rate: | 500V/usec. |
| Ringing amplitude: | 1% overshoot maximum. |
| Ringing duration: | <2ns |
| Horizontal tilt: | <0.25%. |
| Vertical tilt: | <0.25%. |
| Crosstalk isolation: | 60dB to 10mHz. |
| Propagation delay: | <5ns typical. |
| In/In delay scatter: | ±0.5ns. |
| In/In gain scatter: | ±0.05% |
| DC offset: | |
| SNR: | |

5mHz bandwidth, 1.0Vp-p video to RMS noise.

HD-15 Cable (Not Supplied)

